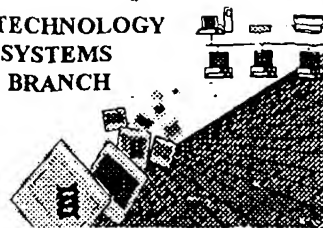


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/699,240

Source: TFWO

Date Processed by STIC: 11/13/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ehc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



II

RAW SEQUENCE LISTING

DATE: 11/13/2003

PATENT APPLICATION: US/10/699,240

TIME: 15:59:50

Input Set : A:\Isis5320.ST25.txt

Output Set: N:\CRF4\11132003\J699240.raw

3 <110> APPLICANT: Cook, Phillip Dan
 4 Sanghvi, Yogesh S.
 5 Ross, Bruce S.
 6 Griffey, Rich H.
 7 Springer, Robert H.
 8 Sprankle, Kelly G.
 10 <120> TITLE OF INVENTION: PROCESSES FOR THE SYNTHESIS OF 2'-O-SUBSTITUTED PYRIMIDINES AND
 11 OLIGOMERIC COMPOUNDS THEREFROM
 13 <130> FILE REFERENCE: ISIS-5320
 > 15 <140> CURRENT APPLICATION NUMBER: US/10/699,240
 > 15 <141> CURRENT FILING DATE: 2003-10-31
 15 <150> PRIOR APPLICATION NUMBER: US 09/747,009
 16 <151> PRIOR FILING DATE: 2000-12-22
 18 <150> PRIOR APPLICATION NUMBER: US 08/894,899
 19 <151> PRIOR FILING DATE: 1998-01-07
 21 <150> PRIOR APPLICATION NUMBER: PCT/US96/03174
 22 <151> PRIOR FILING DATE: 1996-01-07
 24 <150> PRIOR APPLICATION NUMBER: US 08/475,467
 25 <151> PRIOR FILING DATE: 1995-06-07
 27 <150> PRIOR APPLICATION NUMBER: US 08/398,901
 28 <151> PRIOR FILING DATE: 1995-03-06
 30 <160> NUMBER OF SEQ ID NOS: 31
 32 <170> SOFTWARE: PatentIn version 3.2
 34 <210> SEQ ID NO: 1
 35 <211> LENGTH: 16
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Artificial Sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: Novel Sequence
 42 <400> SEQUENCE: 1
 43 ggaccggaag gtacga
 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 17
 48 <212> TYPE: RNA
 49 <213> ORGANISM: Artificial Sequence
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 52 <223> OTHER INFORMATION: Novel Sequence
 55 <220> FEATURE:
 56 <221> NAME/KEY: misc_feature
 57 <222> LOCATION: (1)..(17)
 58 <223> OTHER INFORMATION: methyl, P=0
 60 <400> SEQUENCE: 2
 61 ggaccggaag guacgag

**Does Not Comply
Corrected Diskette Needed**

*See pages
1 to 5.*

*Insufficient
explanation of
the organism.*

16

Insufficient explanation.

17

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/699,240

DATE: 11/13/2003

TIME: 15:59:50

Input Set : A:\Isis5320.ST25.txt

Output Set: N:\CRF4\11132003\J699240.raw

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 67 <213> ORGANISM: Artificial Sequence
 69 <220> FEATURE:

70 <223> OTHER INFORMATION: Novel Sequence

73 <220> FEATURE:

74 <221> NAME/KEY: misc_feature

75 <222> LOCATION: (1)..(17)

76 <223> OTHER INFORMATION: propyl, P=O

78 <400> SEQUENCE: 3

79 ggaccggaag guacgag

17

82 <210> SEQ ID NO: 4

83 <211> LENGTH: 17

84 <212> TYPE: RNA

85 <213> ORGANISM: Artificial Sequence

87 <220> FEATURE:

88 <223> OTHER INFORMATION: Novel Sequence

91 <220> FEATURE:

92 <221> NAME/KEY: misc_feature

93 <222> LOCATION: (1)..(17)

94 <223> OTHER INFORMATION: pentyl, P=O

96 <400> SEQUENCE: 4

97 ggaccggaag guacgag

17

100 <210> SEQ ID NO: 5

101 <211> LENGTH: 17

102 <212> TYPE: DNA

103 <213> ORGANISM: Artificial Sequence

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106 <223> OTHER INFORMATION: Novel Sequence

109 <220> FEATURE:

110 <221> NAME/KEY: misc_feature

111 <222> LOCATION: (1)..(17)

112 <223> OTHER INFORMATION: 2'-deoxy, P=S

114 <400> SEQUENCE: 5

115 ggaccggaag gtacgag

17

118 <210> SEQ ID NO: 6

119 <211> LENGTH: 12

120 <212> TYPE: RNA

121 <213> ORGANISM: Artificial Sequence

123 <220> FEATURE:

124 <223> OTHER INFORMATION: Novel Sequence

126 <400> SEQUENCE: 6

127 cuaagcaugu ca

12

130 <210> SEQ ID NO: 7

131 <211> LENGTH: 12

132 <212> TYPE: RNA

133 <213> ORGANISM: Artificial Sequence

135 <220> FEATURE:

Insufficient explanation.

Insufficient.

Insufficient.

Insufficient.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/699,240

DATE: 11/13/2003
TIME: 15:59:50

Input Set : A:\Isis5320.ST25.txt

Output Set: N:\CRF4\11132003\J699240.raw

136 <223> OTHER INFORMATION: Novel Sequence

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139 cuaagcaugu ca

142 <210> SEQ ID NO: 8

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145 <213> ORGANISM: Artificial Sequence

147 <220> FEATURE:

*Insufficient
Explanation.*

12

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150 <400> SEQUENCE: 8

151 cuaagcaugu ca

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156 <212> TYPE: RNA

157 <213> ORGANISM: Artificial Sequence

159 <220> FEATURE:

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12

160 <223> OTHER INFORMATION: Novel Sequence

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163 cuaagcaugu ca

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167 <211> LENGTH: 12

168 <212> TYPE: RNA

169 <213> ORGANISM: Artificial Sequence

171 <220> FEATURE:

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12

172 <223> OTHER INFORMATION: Novel Sequence

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175 cuaagcaugu ca

178 <210> SEQ ID NO: 11

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183 <220> FEATURE:

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12

184 <223> OTHER INFORMATION: Novel Sequence

186 <400> SEQUENCE: 11

187 cuaagcaugu ca

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192 <212> TYPE: DNA

193 <213> ORGANISM: Artificial Sequence

195 <220> FEATURE:

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12

196 <223> OTHER INFORMATION: Novel Sequence

198 <400> SEQUENCE: 12

199 cgactatgca agtac

202 <210> SEQ ID NO: 13

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204 <212> TYPE: DNA

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207 <220> FEATURE:

Insufficient.

15

208 <223> OTHER INFORMATION: Novel Sequence

Insufficient.

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/699,240

DATE: 11/13/2003
 TIME: 15:59:50

Input Set : A:\Isis5320.ST25.txt
 Output Set: N:\CRF4\11132003\J699240.raw

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223 cgactatgca agtac	15
226 <210> SEQ ID NO: 15	
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231 <220> FEATURE:	
232 <223> OTHER INFORMATION: Novel Sequence	
234 <400> SEQUENCE: 15	
235 cgactatgca agtac	15
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247 cgactatgca agtac	15
250 <210> SEQ ID NO: 17	
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255 <220> FEATURE:	
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258 <400> SEQUENCE: 17	
259 ggaccggaag gtacgag	17
262 <210> SEQ ID NO: 18	
263 <211> LENGTH: 17	
264 <212> TYPE: RNA	
265 <213> ORGANISM: Artificial Sequence	
267 <220> FEATURE:	
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270 <400> SEQUENCE: 18	
271 ggaccggaag guacgag	17
274 <210> SEQ ID NO: 19	
275 <211> LENGTH: 17	
276 <212> TYPE: RNA	
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279 <220> FEATURE:	
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*Insufficient
 explanation.*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/699,240

DATE: 11/13/2003

TIME: 15:59:50

Input Set : A:\Isis5320.ST25.txt

Output Set: N:\CRF4\11132003\J699240.raw

283 ggaccggaag quacgag 17
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 289 <213> ORGANISM: Artificial Sequence
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 294 <400> SEQUENCE: 20
 295 ggaccggaag quacgag 17
 298 <210> SEQ ID NO: 21
 299 <211> LENGTH: 17
 300 <212> TYPE: DNA
 301 <213> ORGANISM: Artificial Sequence
 303 <220> FEATURE:
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 310 <210> SEQ ID NO: 22
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 312 <212> TYPE: DNA
 313 <213> ORGANISM: Artificial Sequence
 315 <220> FEATURE:
 316 <223> OTHER INFORMATION: Novel Sequence
 318 <400> SEQUENCE: 22
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 322 <210> SEQ ID NO: 23
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 324 <212> TYPE: DNA
 325 <213> ORGANISM: Artificial Sequence
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 330 <400> SEQUENCE: 23
 331 tgggagccat agcgaggc 18
 334 <210> SEQ ID NO: 24
 335 <211> LENGTH: 18
 336 <212> TYPE: DNA
 337 <213> ORGANISM: Artificial Sequence
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 342 <400> SEQUENCE: 24
 343 tgggagccat agcgaggc 18
 346 <210> SEQ ID NO: 25
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 349 <213> ORGANISM: Artificial Sequence
 351 <220> FEATURE:
 352 <223> OTHER INFORMATION: Novel Sequence
 354 <400> SEQUENCE: 25
 355 tgggagccat agcgaggc 18

Insufficient explanation.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/699,240

DATE: 11/13/2003

TIME: 15:59:51

Input Set : A:\Isis5320.ST25.txt

Output Set: N:\CRF4\11132003\J699240.raw

5 M:270 C: Current Application Number differs, Replaced Current Application No
5 M:271 C: Current Filing Date differs, Replaced Current Filing Date